SEQUENCE LISTING

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7	•	gtg gt Val Va															195
4	5	cca ga Pro Gl															243
5	0	act ta															291
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		cta tt	a ato	r aat	tca	tac	aat	a a c	a++	+++	a a c	tta	+++	+++	t ca	22t	387

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	10		Ser		gat Asp													483
	15				aaa Lys													531
					cac His 175													579
HH	20				ccc Pro													627
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	30				ttt Phe													723
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		ttg Leu	ttg Leu	cga Arg	acg Thr 255	gac Asp	ttt Phe	gtt Val	Leu	gac Asp 260	tat Tyr	ccc Pro	aaa Lys	ccc Pro	gtg Val 265	atg Met	ccc Pro	819
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					act Thr													1059

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ctt gtt aag tgg cta ccc caa aac gat ctg ctt ggt cac ccg atg acc Leu Val Lys Trp Leu Pro Gln Asn Asp Leu Leu Gly His Pro Met Thr 5 350 355 cgt gcc ttt atc acc cat gct ggt tcc cat ggt gtt tat gaa agc ata 1155 Arg Ala Phe Ile Thr His Ala Gly Ser His Gly Val Tyr Glu Ser Ile 10 tgc aat ggc gtt ccc atg gtg atg atg ccc ttg ttt ggt gat cag atg 1203 Cys Asn Gly Val Pro Met Val Met Met Pro Leu Phe Gly Asp Gln Met 380 385 15 gac aat gca aag cgc atg gag act aag gga gct gga gtg acc ctg aat 1251 Asp Asn Ala Lys Arg Met Glu Thr Lys Gly Ala Gly Val Thr Leu Asn gtt ctg gaa atg act tct gaa gat tta gaa aat gct cta aaa gca gtc 1299 20 Val Leu Glu Met Thr Scr Glu Asp Leu Glu Asn Ala Leu Lys Ala Val 415 420 atc aat gac aaa agt tac aag gag aac atc atg cgc ctc tcc agc ctt 1347 Ile Asn Asp Lys Ser Tyr Lys Glu Asn Ile Met Arg Leu Ser Ser Leu 25 435 cac aag gac cgc ccg gtg gag ccg ctg gac ctg gcc gtg ttc tgg gtg 1395 His Lys Asp Arg Pro Val Glu Pro Leu Asp Leu Ala Val Phe Trp Val 450 30 gag ttt gtg atg agg cac aag ggc gcg cca cac ctg cgc ccc gca gcc Glu Phe Val Met Arg His Lys Gly Ala Pro His Leu Arg Pro Ala Ala 465 470 35 cac gac ctc acc tgg tac cag tac cat tcc ttg gac gtg att ggt ttc 1491 His Asp Leu Thr Trp Tyr Gln Tyr His Ser Leu Asp Val Ile Gly Phe ļ÷ ctc ttg gcc gtc gtg ctg aca gtg gcc ttc atc acc ttt aaa tgt tgt 1539 40 Leu Leu Ala Val Val Leu Thr Val Ala Phe Ile Thr Phe Lys Cys Cys gct tat ggc tac cgg aaa tgc ttg ggg aaa aaa ggg cga gtt aag aaa 1587 Ala Tyr Gly Tyr Arg Lys Cys Leu Gly Lys Lys Gly Arg Val Lys Lys 45 gcc cac aaa tcc aag acc cat tga gaagtgggtg ggaaataagg taaaattttg 1641 Ala His Lys Ser Lys Thr His 525 50 aaccattccc tagtcatttc caaacttgaa aacagaatca gtgttaaatt cattttattc 1701 ttattaagga aatactttgc ataaattaat cagccccaga gtgctttaaa aaattctctt 1761 55 aaataaaaat aatagactcg ctagtcagta aagatatttg aatatgtatc gtgcccctc 1821 cggtgtcttt gatcaggatg acatgtgcca tttttcagag gacgtgcaga caggctggca 1881

340

345

335

2320

250

Glu Tyr Asp Leu Tyr Ser His Thr Ser Ile Trp Leu Leu Arg Thr Asp

Phe Val Leu Asp Tyr Pro Lys Pro Val Met Pro Asn Met Ile Phe Ile

	Gly	Gly	I1e 275	260 Asn	Cys	His	Gln	Gly 280	265 Lys	Pro	Leu	Pro	Met 285	270 Glu	Phe	Glu	
5	Ala	Tyr 290	Ile	Asn	Ala	Ser	Gly 295		His	Gly	Ile	Val		Phe	Ser	Leu	
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30			Leu	500					505					510			
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50						Met 1	Ala	Cys	Thr	Gly 5	Trp	Thr	Ser	Pro	Leu 10	Pro	
	cta Leu	tgt Cys	gtg Val	tgt Cys	ctg Leu	ctg Leu	ctg Leu	acc Thr	tgt Cys	ggc Gly	ttt Phe	gcc Ala	gag Glu	gca Ala	ggg Gly	aag Lys	99
5 5		•		15					20	-				25	_		
			gta V al														147

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	5		gtg Val 45	gag				agg					gtt				195
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	10		tat Tyr														291
	15	-	ttt Phe	-		-			_		_	_	_				339
·=	20		tta Leu	_				_			_						387
c iri il ir ir ir ir ir ir	25	_	agg Arg 125	_	_		-				_				_		435
i j	30	_	tct Ser		_	•			-			-		_			483
			gtt Val														531
	35		ctt Leu	-			-	-		-	_	-		-			579
	40		tat Tyr	_		_						-	-	_			627
	45	-	gag Glu 205	-	-				_		_		_				675
	50	_	cac His	-				-		-		_		-			723
			aca Thr														771
	55		ttg Leu														819

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		130	Lys				135			Lys		140				
5	145					150				Gly	155					160
	Phe	Ser	Leu	Pro	Ser 165	Va1	Val	Phe	Ala	Arg 170	Gly	Ile	Leu	Cys	His 175	Tyr
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					245					Ile 250					255	
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					325					Val 330					335	
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	Thr	His 530														
55		- • •														